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FIELD RECORDS COLLECTION
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EDWARD THOMPSON RUPPEL
(1925 -)

NOTES, CORRESPONDENCE, PAPERS

1953 - 1979

(6.2 linear ft. and 6 map folders)

Edward Ruppel was born in Fort Morgan, Colorado, in 1925. He received a B.A. from the University of Montana in 1948, an M.A. from the University of Wyoming in 1950, and a Ph.D. from Yale University in 1958. Ruppel served on the staff of the USGS from 1948 to 1986 and was Director of the Montana Bureau of Mines and State Geologist for Montana from 1986 to 1994. His areas of investigation include structural and economic geology in Montana and adjacent states. Ruppel is a Fellow of the Geological Society of America and the Society of Economic Geologists and a member of the American Institute of Professional Geologists.

INVENTORY

By

Carol A. Edwards and Clay M. Martin
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
February 2003/November 2004/November 2010

Location of Field Notebooks: CS-7: 10-12

**GEOLOGY OF THE BASIN, DEER LODGE, AND ELLISTON 15'
QUADRANGLES AND GLACIAL GEOLOGY OF THE NORTHERN
BOULDER MOUNTAINS IN CLARK, DEER LODGE, JEFFERSON,
POWELL, AND LEWIS AND CLARK COUNTIES, MONTANA.
1953-1956.**

<u>Item Number</u>	<u>Description</u>
NO-06680	E.T. Ruppel. Field notebook 1 with geologic notes and sketches related to field investigation of the Basin, Deer Lodge, and Elliston 15' quadrangles, Montana. Also included are notes on photographs taken. 1953.
NO-06681	E.T. Ruppel. Field notebook 2 with geologic notes and sketches related to field investigation of the Basin, Deer Lodge, and Elliston 15' quadrangles, Montana. 1953.
NO-06682	E.T. Ruppel. Field notebook 3 with geologic notes and sketches related to field investigation of Jack Mountain and other areas in the Basin, Deer Lodge, and Elliston 15' quadrangles, Montana. 1954.
NO-06683	E.T. Ruppel. Field notebook with geologic notes and sketches related to field investigation of the Elk Mountains and other areas in the Basin, Deer Lodge, and Elliston 15' quadrangles, Montana. No date.
NO-06684	E.T. Ruppel. Field notebook with geologic notes and sketches related to field investigation of heavy mineral occurrences in the Basin 15' quadrangle, Montana. 1954.
NO-06685	E.T. Ruppel. Field notebook 1 with geologic notes and sketches related to field investigations in the Minnehaha Creek-Lee Mountain area, Elliston 15' quadrangle, Montana. 1954.
NO-06686	E.T. Ruppel. Field notebook 2 with geologic notes and sketches related to field investigation of the Basin Creek area, Elliston 15' quadrangle, Montana. 1954.
NO-06687	E.T. Ruppel. Field notebook 3 with geologic and production notes for mines in the Basin District, Montana. 1954.
NO-06688	E.T. Ruppel. Field notebook 4 with geologic notes and sketches related to field investigation of the Elliston and Boulder 15' quadrangles, Montana. 1954.
NO-06689	E.T. Ruppel. Field notebook 5 with geologic notes and sketches related to field investigation of the Pole Mountain, Bernice, and Red Rock Creek areas, Elliston 15' quadrangle, Montana. 1954.

- NO-06690 E.T. Ruppel and P.E. Myers. Field notebook with geologic notes and sketches related to field investigation of the Minnehaha area, Boulder 15' quadrangle, Montana. 1954.
- NO-06691 E.T. Ruppel and P.E. Myers. Field notebook with geologic notes and sketches related to field investigation of the Basin Creek area, Boulder 2 (later renamed Basin) 15' quadrangle and Casey Peak 7.5' quadrangle, Montana. 1954.
- NO-06692 E.T. Ruppel and P.E. Myers. Field notebook with geologic and mine notes and sketches related to field investigation of the Basin Creek area, Montana. 1954.
- NO-06693 E.T. Ruppel and P.E. Myers. Field notebook with geologic and mine notes and sketches related to field investigation of the Basin Creek area, Montana. 1954.
- NO-06694 Expandable envelope with:
- E.T. Ruppel and P.E. Myers. Field notebook with geologic notes and sketches related to field investigation of the Boulder (later renamed Basin) 15' quadrangle, Montana. 1954.
 - Sheet entitled "Classification of Boulder Batholith Rocks".
 - Sheet entitled "Key to specimens of Boulder Batholith rock classifications".
- NO-06695 E.T. Ruppel and P.E. Myers. Field notebook with geologic notes and sketches related to field investigation of Basin and Red Rocks Creeks, Montana. 1954.
- NO-06696 E.T. Ruppel and P.E. Myers. Field notebook with geologic notes and sketches related to field investigation of the Basin 15' quadrangle, Montana. Also included are notes on the Thunderbolt 7.5' quadrangle, Montana. 1955.
- NO-06697 E.T. Ruppel and P.E. Myers. Field notebook with geologic notes and sketches related to field investigation of the Basin 15' quadrangle, Montana. 1955.
- NO-06698 E.T. Ruppel. Field notebook 1 with geologic notes and sketches related to field investigation of the Buffalo River area, Jefferson County, Montana. 1955.
- NO-06699 E.T. Ruppel. Field notebook 2 with geologic notes and sketches related to field investigation of the Boulder River area, Jefferson County, Montana. 1955.
- NO-06700 E.T. Ruppel. Field notebook with geologic notes and sketches related to field checking of work done in the Deer Lodge 15' quadrangle, Montana. 1956.
- NO-06701 Expandable envelope with six folders:
- Folder 1. Group of field notes related to field checking of previous geologic investigations in the Basin Creek and other areas, Montana.
 - Folder 2. Miscellaneous mine maps and reports.
 - Folder 3. Permission-to-publish forms.

- Folder 4. Sample descriptions and analysis results.
- Folder 5. Group of notes and diagrams labeled "Joint Compilation".
- Folder 6. Sample analysis results for rock samples taken in the Boulder Batholith, Montana.

NO-06702 Expandable envelope with 46 enlarged partial reproductions of the Boulder (later renamed Basin) 15' quadrangle, Montana, with geologic annotations.

MA-01057 Map folder with two complete copies and one partial copy of the Boulder 2 (later renamed Basin) 15' quadrangle, Jefferson County, Montana, with annotations.

Published as: U.S. Geological Survey. Open-file report 437. 1957.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-174. 1961.

Published as: U.S. Geological Survey. Bulletin 1141-G. 1962.

Published as: U.S. Geological Survey. Bulletin 1151. 1963.

THE GEOLOGY OF THE DILLON 1 X 2 DEGREE QUADRANGLE, IDAHO AND MONTANA. 1959-1979.

NO-06713 E.T. Ruppel. Field notebook 1 with geologic notes and sketches related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 1-144. 1952.

NO-06714 E.T. Ruppel. Field notebook 2 with geologic notes and sketches related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 145-188. 1959.

NO-06715 E.T. Ruppel and M.H. Hait, Jr. Field notebook with geologic notes and sketches related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 1-139. 1960.

NO-06716 E.T. Ruppel and M.H. Hait, Jr. Field notebook with geologic notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 140-279. 1960.

NO-06717 E.T. Ruppel. Field notebook 1 with geologic and fossil notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 1-107. 1960.

NO-06718 E.T. Ruppel. Field notebook 2 with geologic notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 108-211. 1960.

NO-06719 E.T. Ruppel. Field notebook 3 with geologic notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 212-314. Also included are several pages of field notes by C.P. Ross from 1938. 1960.

- NO-06720 E.T. Ruppel. Field notebook 1 with geologic notes related to field investigation of the Leadore 15' quadrangle, Idaho. Locations mentioned include Middle Fork of the Timber River and Railroad Canyon. Stations 1-121. 1961.
- NO-06721 E.T. Ruppel. Field notebook with geologic, mine, and fossil notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 122-267. 1961.
- NO-06722 E.T. Ruppel and I.G. Smith. Field notebook 1 with geologic notes and sketches related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 1-51. 1961.
- NO-06723 E.T. Ruppel and I.G. Smith. Field notebook 2 with geologic notes and sketches related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 52-141. 1961.
- NO-06724 E.T. Ruppel and I.G. Smith. Field notebook 3 with geologic notes and sketches related to field investigation of the Morrison Lake 15' quadrangle, Idaho-Montana. Stations 142-222. 1961.
- NO-06725 E.T. Ruppel and I.G. Smith. Field notebook 4 with geologic notes related to field investigation of the Morrison Lake 15' quadrangle, Idaho-Montana. Stations 223-240. 1961.
- NO-06726 E.T. Ruppel. Field notebook with geologic notes and sketches related to field investigation of the Blue Jay Mine and associated core sampling, Lemhi County, Idaho. 1961.
- NO-06727 E. T. Ruppel. Field notebook 1 with geologic notes related to field investigation of the Donkey Hills 15' quadrangle, Idaho. 1962.
- NO-06728 E.T. Ruppel. Field notebook 2 with geologic notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 101-287. 1962.
- NO-06729 E.T. Ruppel. Field notebook 3 with geologic notes related to field investigations in the vicinity of Railroad Canyon, Leadore 15' quadrangle, Idaho. Stations 288-446. 1962.
- NO-06730 E.T. Ruppel and M.D. Mifflin. Field notebook 1 with geologic notes on the Baby Joe Mine and vicinity, Gilmore 15' quadrangle, Idaho. Stations 1-92. 1962.
- NO-06731 E.T. Ruppel and M.D. Mifflin. Field notebook 2 with geologic notes related to field investigations in the vicinity of Park Creek Basin and Italian Ridge. Stations 93-234. 1962.
- NO-06732 E.T. Ruppel and M.D. Mifflin. Field notebook 3 with geologic notes related to field investigation of the Leadore 15' quadrangle, Idaho. Stations 235-252. 1962.

- NO-06733 E.T. Ruppel. Field notebook with geologic notes related to field investigations in the vicinity of Big Sheep Creek, Lemhi County, Idaho. Stations 1-191. 1963.
- NO-06734 E.T. Ruppel. Field notebook with geologic notes related to field investigations in Lemhi County, Idaho. Stations 192-465. 1963.
- NO-06735 E.T. Ruppel. Field notebook with geologic notes related to field investigations in Lemhi County, Idaho. Stations 466-578. 1963.
- NO-06736 E.T. Ruppel. Field notebook with geologic notes and measured section data related to field investigations in Lemhi County, Idaho. Stations 1-29. 1963.
- NO-06737 E.T. Ruppel and H.B. McFadden. Field notebook with geologic notes related to field investigation of the Big Eight Mile Camp and vicinity, Lemhi County, Idaho. Stations 1-53. 1963.
- NO-06738 E. T. Ruppel. Field notebook 1 with geologic notes related to field investigation of the Big Eight Mile area, Lemhi County, Idaho. Stations 1-156. Book 1. 1964.
- NO-06739 E.T. Ruppel. Field notebook 2 with geologic notes related to field investigation of the Big Eight Mile area, Lemhi County, Idaho. Stations 157-356. 1964.
- NO-06740 E.T. Ruppel. Field notebook 3 with geologic notes related to field investigations in Lemhi County, Idaho. Stations 357-406. 1964.
- NO-06741 E.T. Ruppel and H.B. McFadden. Field notebook with geologic notes related to field investigation of the Big Eight Mile area, Lemhi County, Idaho. Stations 1-1033. 1964.
- NO-06742 E.T. Ruppel. Field notebook 1 with geologic notes related to field investigation of the Patterson 7.5' quadrangle, Idaho. Stations 1-252. 1965.
- NO-06743 E.T. Ruppel. Field notebook 2 with geologic notes related to field investigation of the Patterson 7.5' quadrangle, Idaho. Stations 253-298. 1965.
- NO-06744 E.T. Ruppel and C.K. Schernberger. Field notebook with geologic notes related to field investigations in Lemhi County, Idaho. Stations 1-74. 1965.
- NO-06745 E.T. Ruppel and G.M. Fairer. Field notebook with geologic notes related to field investigation of the Patterson 7.5' quadrangle, Idaho. Stations 1-40. 1966.
- NO-06746 E. T. Ruppel. Field notebook with geologic notes related to field investigation of Lemhi Ridge, Lemhi County, Idaho. Stations 1-120. 1960.
- NO-06747 E.T. Ruppel. Field notebook with geologic notes related to field investigation of

- the Patterson 7.5' quadrangle, Idaho. Stations 1-110. 1967.
- NO-06748 E.T. Ruppel and M.F. Gregorich. Field notebook with geologic notes related to field investigation of the Patterson 7.5' quadrangle, Idaho. Stations 1-31. 1967.
- NO-06749 E.T. Ruppel. Field notebook with geologic notes related to field investigations in Lemhi County, Idaho. Stations 1-160. 1968.
- NO-06750 E. T. Ruppel. Field notebook with geologic notes related to field investigations in Lemhi County, Idaho. Stations 161-181. 1968.
- NO-06751 E.T. Ruppel and M.F. Gregorich. Field notebook with geologic and mine notes related to field investigations in Lemhi County, Idaho. 1968.
- NO-06752 E.T. Ruppel and R.G. Tysdal. Field notebook 1 with geologic notes related to field investigations in Lemhi County, Idaho. Stations 1-124. 1969.
- NO-06753 E.T. Ruppel and R.G. Tysdal. Field notebook 2 with geologic notes related to field investigations in Lemhi County, Idaho. Stations 125-327. 1969.
- NO-06754 E.T. Ruppel. Field notebook with geologic notes related to field investigations in Lemhi County, Idaho. Stations 1-322. 1969.
- NO-06755 E.T. Ruppel. Field notebook with geologic notes related to field investigation of the Lemhi 15' quadrangle, Idaho. 1970.
- NO-06756 E.T. Ruppel. Field notebook with geologic notes related to field investigation of the Lemhi 15' quadrangle, Idaho. Stations 1-319. 1970.
- NO-06757 Expandable envelope with:
- E.T. Ruppel and D.A. Schleicher. Field notebook with geologic notes related to field investigation of the Patterson 7.5' quadrangle, Idaho. 1970.
 - Three sheets of loose notebook pages with geologic notes. 1970.
- NO-06758 E.T. Ruppel. Field notebook with geologic notes related to field investigation of the Patterson 7.5' quadrangle, Idaho. 1971-1973.
- NO-06759 E.T. Ruppel and D.A. Schleicher. Field notebook with geologic notes related to field investigation of the Gilmore 15' quadrangle, Idaho. Stations 1-140. 1971.
- NO-06760 E.T. Ruppel, H.R. Covington and D.A. Schleicher. Field notebook with geologic notes related to field investigation of the Gilmore and Patterson 15' quadrangles, Idaho. Stations 1-45 and 70-177. 1971.
- NO-06761 E.T. Ruppel. Field notebook with geologic notes related to field investigation of the Patterson 15' quadrangle, Idaho. Stations 1-88. 1973-1974.

- NO-06762 E.T. Ruppel. Field notebook with geologic notes related to field investigations in Beaverhead County, Montana and the Gilmore 15' quadrangle, Idaho. Stations 1-171. 1975.
- NO-06763 E.T. Ruppel. Field notebook 1 with geologic notes and sketches related to field investigation of the Goldstone Mountain 15' quadrangle, Idaho and Montana. Stations 1-129. 1976.
- NO-06764 E.T. Ruppel. Field notebook 2 with geologic notes related to field investigation of the Gilmore 15' quadrangle, Idaho. Stations 330-405. 1976.
- NO-06765 E.T. Ruppel. Field notebook with geologic notes and sketches related to field investigation of the Dillon 1x2-degree quadrangle. Stations 1-126. 1977.
- NO-06766 Expandable envelope with group of 5x8-inch index cards containing descriptions of thin sections.
- NO-06767 Expandable envelope with seven folders:
- Folder 1. Fossil notes, referred fossil reports, and one group of descriptions of Saturday Mountain Dolomite sections measured in the vicinity of the Dillon 1 x 2-degree quadrangle.
 - Folder 2. Measured section descriptions from the Gilmore Mining District, Lemhi County, Idaho.
 - Folder 3. Measured section descriptions from Devonian rocks in Lemhi County, Idaho.
 - Folder 4. Miscellaneous data and correspondence related to fossil studies in the vicinity of the Dillon 1 x 2-degree quadrangle
 - Folder 5. Miscellaneous data and correspondence related to studies of Mississippian rocks in the vicinity of the Dillon 1 x 2-degree quadrangle.
 - Folder 6. Data and diagrams related to studies of jointing in the Lemhi Range, Butte County, Montana..
 - Folder 7. Sample analysis data, location maps, and correspondence related to geochemical sampling in the Gilmore 15' quadrangle, Montana. 1969.
- NO-06768 Expandable envelope with 11 folders of data and reports related to mining and prospecting in the Dillon 1 x 2-degree quadrangle.
- NO-06769 Expandable envelope with four folders:
- Folder 1. Group of five annotated field sheets with reproduced portions of the Donkey Hills 15' quadrangle, Idaho.
 - Folder 2. Group of 16 annotated field sheets with reproduced portions of the USGS special topographic map Little Eightmile Mining District, Idaho, scale 1:48,000 (1931).
 - Folder 3. Group of 22 annotated field sheets with reproduced portions of the Patterson 15' quadrangle, Idaho.

- Folder 4. Group of 32 annotated field sheets with reproduced portions of the Leadore 15' quadrangle, Idaho.
- NO-06770 Expandable envelope with three folders:
- Folder 1. Group of 15 annotated field sheets with reproduced portions of the Leadore 15' quadrangle, Idaho.
 - Folder 2. Miscellaneous correspondence related to publication of a geologic map of the Gilmore 15' quadrangle, Idaho.
 - Folder 3. Group of approximately 50 annotated field sheets with reproduced portions of the Gilmore 15' quadrangle, Idaho.
- NO-06771 Expandable envelope with four folders:
- Folder 1. Aerial photomosaic index and four aerial photos covering the Nicholia 4 (renamed Diamond Peak) 15' quadrangle, Idaho.
 - Folder 2. Aerial photomosaic index and 41 aerial photographs covering the Nicholia 2 (renamed Gilmore) 15' quadrangle, Idaho.
 - Folder 3. Aerial photomosaic index and 38 aerial photographs covering the Leadore 15' quadrangle, Idaho.
 - Folder 4. Aerial photomosaic index and eight aerial photographs covering the May 15' quadrangle, Idaho.
- NO-06772 Expandable envelope with four folders:
- Folder 1. Aerial photomosaic index and four aerial photographs covering the Borah Peak (renamed Donkey Hills) 15' quadrangle, Idaho.
 - Folder 2. Aerial photomosaic index and six aerial photographs covering the Teepee Mountain (renamed Morrison Lake) 15' quadrangle, Idaho-Montana.
 - Folder 3. Group of 52 aerial photographs covering the Patterson 15' quadrangle, Idaho.
 - Folder 4. Four aerial photomosaics for the Nicholia 3 (renamed Hawley Mountain), Tendoy (renamed Lemhi), Nicholia 1 (renamed Nicholia), and Mogg Mountain (renamed Patterson) 15' quadrangles, Idaho.
- NO-07084 E.T. Ruppel and W.M. Cady. Field notebook with geologic notes related to field investigation of the Harrison, Virginia City, and Waterloo 15' quadrangles, Montana, and the Alder, Ashbough Canyon, Beaverhead Rock SE, Christensen Ranch, Elk Gulch, Home Park Ranch, Laurin Canyon, Metzel Ranch, Mine Gulch, Red Canyon, and Ruby Dam 7.5' quadrangles, Montana. Stations 1-474. 1977-1979.
- NO-07085 E.T. Ruppel and N. Desmarais. Field notebook with geologic and sample notes related to field investigation of the Harrison and Waterloo 15' quadrangles, Montana, and the Alder, Copper Mountain, Laurin Canyon, and Sheridan 7.5' quadrangles, Montana. Stations D-1 through D-352. 1978.
- NO-07086 E.T. Ruppel and G. Weeks. Field notebook with geologic notes related to field

investigations in the Gallatin Canyon area, Montana, and in the Harrison 15' quadrangle, Montana. Stations W-1 through W-48. 1979.

- MA-01059 Map folder with 22 annotated topographic quadrangles:
- Five copies of the Donkey Hills 15' quadrangle, Idaho.
 - Eight copies of the Gilmore 15' quadrangle, Idaho.
 - Two copies of the Goldbug Ridge 7.5' quadrangle, Idaho.
 - Copy of the Lem Peak 7.5' quadrangle, Idaho.
 - Copy of the USGS special topographic map Little Eightmile Mining District, Idaho, scale 1:48,000 (1931).
 - Copy of the May 15' quadrangle, Idaho.
 - Two copies of the Patterson 15' quadrangle, Idaho.
 - Two copies of the Poison Peak 7.5' quadrangle, Idaho.
- MA-03058 Map folder with three items related to geologic investigations by James F. King, Northwestern University:
- Diagram entitled "Structure sections in the southern part of the Lemhi Range, Butte County, Idaho". 1959.
 - Sheet with eight stratigraphic section diagrams for the southern part of the Lemhi Range, Butte County, Idaho. 1959.
 - Geologic map and explanation for the southern part of the Lemhi Range, Butte County, Idaho. 1958.

Published as: U.S. Geological Survey. Geologic quadrangle map 733. 1968.

Published as: U.S. Geological Survey. Open-file report 70-282. 1970.

Published as: U.S. Geological Survey. Professional paper 889. 1975.

Published as: U.S. Geological Survey. Open-file report 76-366. 1976.

Published as: U.S. Geological Survey. Professional paper 1031. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map 1529. 1980.

Published as: U.S. Geological Survey. Geologic quadrangle map 1543. 1981.

Published as: U.S. Geological Survey. Professional paper 1224. 1982.

Published as: U.S. Geological Survey. Open-file report 82-667. 1982.

Published as: U.S. Geological Survey. Open-file report 83-168. 1983.

Published as: U.S. Geological Survey. Professional paper 1278. 1984.

Published as: U.S. Geological Survey. Open-file report 85-207. 1985.

Published as: U.S. Geological Survey. Professional paper 1480. 1988.

Published as: Montana Bureau of Mines and Geology. Memoir 65. 1993.

Published as: U.S. Geological Survey. Miscellaneous investigations series map I-1803-H. 1993.

Published as: Montana Bureau of Mines and Geology. Open-file report 317. 1994.

Published as: Montana Bureau of Mines and Geology. Open-file report 372. 1998.

**GEOLOGY OF NORTHERN YELLOWSTONE NATIONAL PARK,
WYOMING AND MONTANA, AND THE GALLATIN RANGE,
MONTANA. 1965-1968.**

- NO-06703 E.T. Ruppel. Field notebook with geologic and stratigraphic notes related to field investigation of the Mount Holmes 15' quadrangle, Wyoming. Station locations 1G- 97G, G1-66, G2-66, GL1, GL3, GY4 through GY11. 1966.
- NO-06704 E.T. Ruppel. Field notebook with geologic, stratigraphic, and fossil notes related to field investigation of Yellowstone National Park. Station locations 1-41. Locations mentioned include head of Gallatin River, Crowfoot Ridge, Three Rivers Peak, Mount Holmes, and the Bannock Peak-Gallatin area. 1965.
- NO-06705 E.T. Ruppel. Field notebook with geologic, stratigraphic, and fossil notes related to field investigation of Yellowstone National Park. Station locations 1-179. Locations mentioned include Crowfoot Ridge and vicinity, west side of Gallatin River, Gallatin Lake and vicinity, Bighorn Pass, Dome Mountain, Antler Peak, Bannock Peak, Gallatin, Panther Creek, Quadrangle Mountain, and Three Rivers Peak. 1966.
- NO-06706 E.T. Ruppel. Field notebook with geologic, stratigraphic, and fossil notes related to field investigation of Yellowstone National Park. Station locations 180-338. Locations mentioned include Gallatin, east of Bighorn Pass, east of Crowfoot Ridge, Fawn Pass, Fawn Creek, Snowshoe Pass, Gray Peak, Indian Creek, Antler Peak, Trilobite Lake vicinity, Oxbow Creek, Lemonade Creek, and Horseshoe Hills. 1966.
- NO-06707 E.T. Ruppel. Field notebook with geologic and stratigraphic notes related to field investigation of Yellowstone National Park. Station locations 1-109. Locations mentioned include Slough Creek, Bison Mountain, Lamar-Soda Buttes, Abiathar Peak, Pebble Creek Pass, Rescue Creek, Cutoff Creek, and Lower Grayling Creek. 1967.
- NO-06708 E.T. Ruppel. Field notebook with geologic, stratigraphic, and fossil notes related

to field investigation of Yellowstone National Park. Station locations 150-324. Locations mentioned include Slough Creek, Little Buffalo Creek, Coyote Creek, Electric Peak and vicinity, Joseph Peak, Christmas Tree Park, Gray Peak, Stellaria Creek, Sportsman Trail, Cache Lake vicinity, Grayling Creek, Echo Peak, and Specimen Creek. 1967.

- NO-06709 E.T. Ruppel and P.W. Schmidt. Field notebook with geologic and stratigraphic notes and sketches related to field investigation of Yellowstone National Park. Station locations PS-1 through PS-35. Various locations mentioned, especially Soda Butte Creek. 1967.
- NO-06710 E.T. Ruppel and G.M. Fairer. Field notebook with geologic, stratigraphic, and fossil notes related to field investigation of Yellowstone National Park. Station locations 1-79. Locations mentioned include Slough Creek, Buffalo Plateau, Hellroaring Mountain, Little Quadrant Mountain, The Craggs, Reese Creek, and Trilobite Point. 1967.
- NO-06711 Expandable envelope with group of thin section description sheets for samples taken in northern Yellowstone National Park.
- NO-06712 Expandable envelope with 13 folders:
- Folder 1. Drafting film reproduction, in four sections, of the Abiathar Peak 15' quadrangle, Wyoming, with annotations.
 - Folder 2. Drafting film reproduction, in four sections, of the Crown Butte 15' quadrangle, Montana-Idaho, with annotations.
 - Folder 3. Drafting film reproduction, in four sections, of the Cutoff Mountain 15' quadrangle, Montana-Wyoming, with annotations.
 - Folder 4. Drafting film reproduction, in four sections, of the Mammoth 15' quadrangle, Wyoming, with annotations. Also included is a group of field notebook pages with geologic notes for the Mammoth quadrangle.
 - Folder 5. Drafting film reproduction, in four sections, of the Miner 15' quadrangle, Montana-Wyoming, with annotations.
 - Folder 6. Drafting film reproduction, in four sections, of the Mt. Holmes 15' quadrangle, Wyoming, with annotations.
 - Folder 7. Drafting film reproduction, in four sections, of the Mt. Wallace 15' quadrangle, Montana-Wyoming, with annotations.
 - Folder 8. Drafting film reproduction, in four sections, of the Tower Junction 15' quadrangle, Wyoming, with annotations.
 - Folder 9. Miscellaneous research materials related to Yellowstone National Park geology, including a copy of "Proposal for geologic, geophysical and geochemical research in and near Yellowstone National Park" (no date); photocopy of "Geologic Map of the Thrust Fault near Gardiner, Montana" by C.W. Williams et al., 1933; photocopies of "uncorrected measured sections in Gardiner area" including Cinnabar Mountain section, Mount Evarts sections 1, 2, 3, and 4, Little Trail Creek sections, Landslide Creek section and Reese Creek section; photocopy of lower part of "Geologic Map of the Southwest

Quarter of the Gardiner Quadrangle, park County, Montana” by G.D. Fraser et al (no date).

- Folder 10. Stratigraphic section data for Yellowstone National Park. Included is a letter to Ruppel from William Hendrickson, research biologist, regarding beetle-killed timber, wolves, and report of sheep grazing in the park, plus a copy of “Composite Stratigraphic Section. Castle Rock”, and a correlation chart for Three Rivers Peak.
- Folder 11. Miscellaneous data on fossil occurrences in Yellowstone National Park. Included are correspondence and related reports on referred fossils, measured sections, and descriptions of fossil localities.
- Folder 12. Data related to analysis of rock samples from Yellowstone National Park. Included are joint diagrams, a copy of a project description relating to geology of pre-Tertiary rocks in North Yellowstone National Park, laboratory analytical reports, and a copy of a letter from John C. Reed to Bruno J. Giletti, Brown University (1970) regarding dating of Teton rocks.
- Folder 13. Data related to USGS Natural Resources Program work at Yellowstone National Park performed under a NASA contract. Included is a copy of Technical Letter NASA-30, “Preliminary Evaluation of Radar Imagery of Yellowstone Park, Wyoming”, by R.L. Christiansen, K.L. Pierce, H.J. Prostka, and E.R. Ruppel (1966).

- MA-01058 Map folder with 21 annotated maps:
- Three copies of the Abiathar Peak 15' quadrangle, Wyoming-Montana.
 - Copy of the Crown Butte 15' quadrangle, Montana-Wyoming.
 - Three copies of the Cutoff Mountain 15' quadrangle, Montana-Wyoming.
 - Two copies of the Mammoth 15' quadrangle, Wyoming-Montana
 - Five copies of the Miner 15' quadrangle, Montana-Wyoming.
 - Two copies of the Mount Holmes 15' quadrangle, Wyoming-Montana.
 - Three copies of the Mt. Wallace 15' quadrangle, Montana.
 - Two copies of the Tower Junction 15' quadrangle, Wyoming-Montana.

- MA-03059 Map folder with two copies (one annotated) of an illustration showing a panoramic view of the Indian Creek Laccolith, Wyoming.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1244. 1975.

GEOLOGY OF THE HOWE PEAK AREA, LOST RIVER RANGE, BUTTE COUNTY, IDAHO. NO DATE.

- MA-03060 Map folder with three items related to geologic investigations by John P. Shannon, Jr., Northwestern University:
- Diagram showing stratigraphic sections for the Howe Peak area, Lost River Range, Idaho. 1959.
 - Sheet with eight stratigraphic section diagrams for the Howe Peak area, Lost River Range, Idaho. 1959.

- Geologic map of the Howe Peak area, Lost River Range, Idaho. 1959.